



Certificate

MPS-ECAS awards this certificate in accordance with the certification standard MPS-ABC version 16.1, to:

**Gartneriet Svend Erik Nielsen ApS
Neversvej 38
5960 Tommerup
Denmark
MPS-number: 910179**

Applicable to environmental clusters:

POT PLANTS 4; POT PLANTS 5; POT PLANTS 7; POT PLANTS 8; POT PLANTS REMAINDER

Validity: **2-3-2024 valid up to and including 19-5-2024**

Total points: **108,6**

Qualification: **A+**

Kind regards,
MPS-ECAS

Signature:

Date of issue:
2-3-2024

Drs. R. Landsmeer, Manager Operations

N.B.: This certificate is only valid for the period specified above.

P.O. Box 114
2678 ZJ De Lier
The Netherlands

QUALIFICATION AND PERIOD GRAPHS

MPS company number: **910179/01**
 Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 2-3-2024

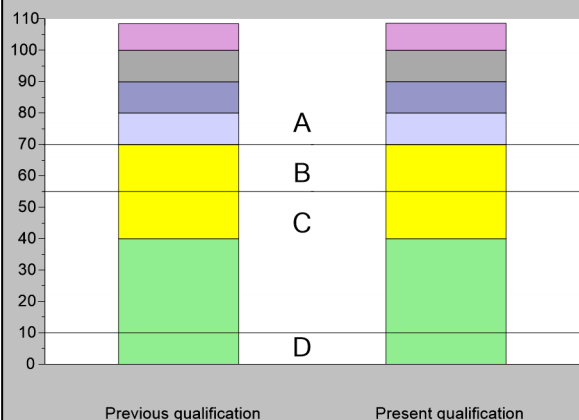
Table 1: DATA QUALIFICATIONS

SUBJECT		Your Company standard	Your use	Your points	max. points	A+ standard	A+ score	Obtained
		Lower- Upper limit						
Crop protection	Green	12,3-41,6 kg	1,7	12	12			
	Amber	7,4-27,7 kg	0,7	16	16			
	Red	2,5-12,5 kg	0	12	12			
total				40	40	85 %	100 %	yes
Energy total		22628,6-40231,2 GJ	4915	30	30	75 %	100 %	yes
Fertilizers	Nitrogen	695,5-1602,7 kg	530,1	10	10			
	Phosphorus	139,1-387,7 kg	132,9	10	10			
total				20	20	75 %	100 %	yes
Waste		0-130	130	10	10			
Water								
Certified parental material				8,6	10			
Total score (points)				108,6	110	90	108,6	yes
COMPANY QUALIFICATION				A+				

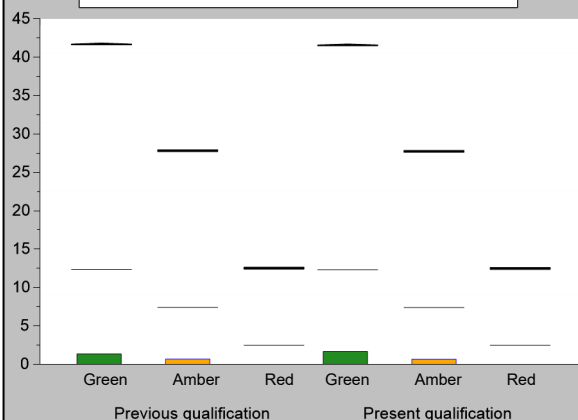
COMPANY USAGE PER 13 PERIODS

<-----> = Upper limit <.....> = Lower limit

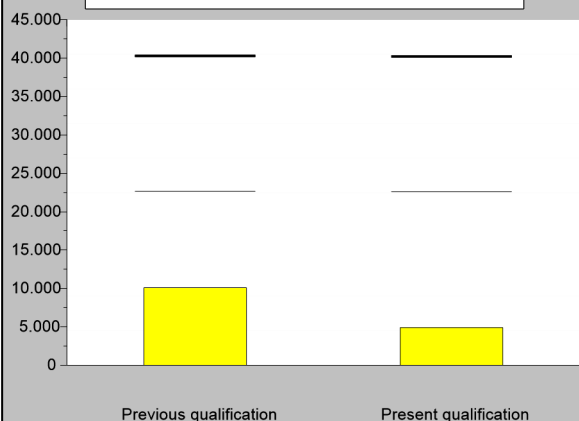
Graph 1: SCORES AND CLASS



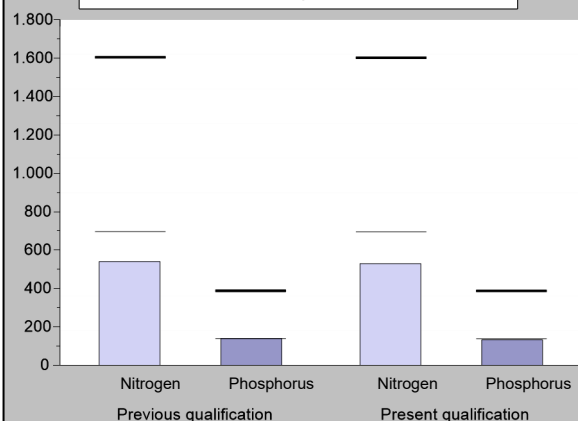
**Graph 2: CROP PROTECTION
kg active material**



**Graph 3: ENERGY
GJ**



**Graph 4/5: FERTILIZERS
kg**

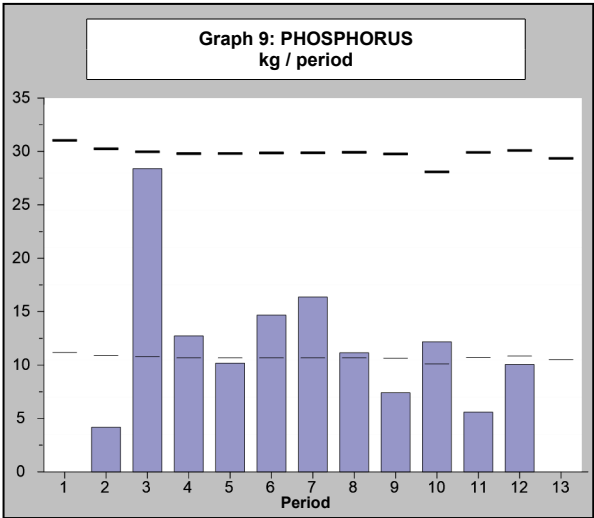
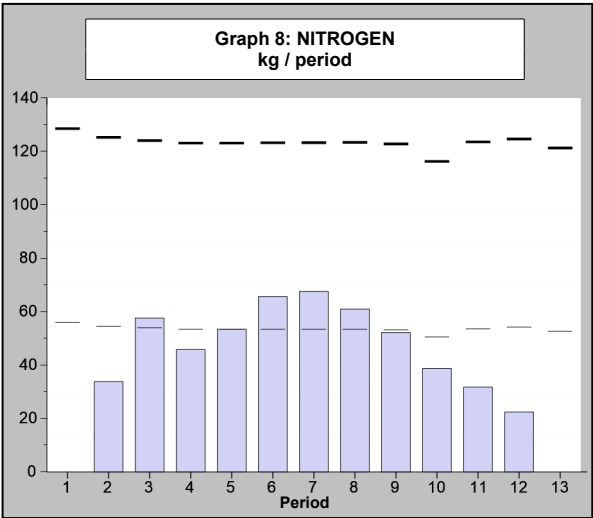
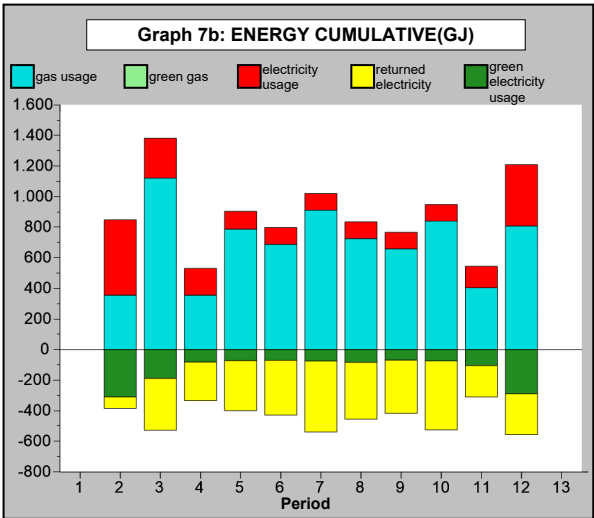
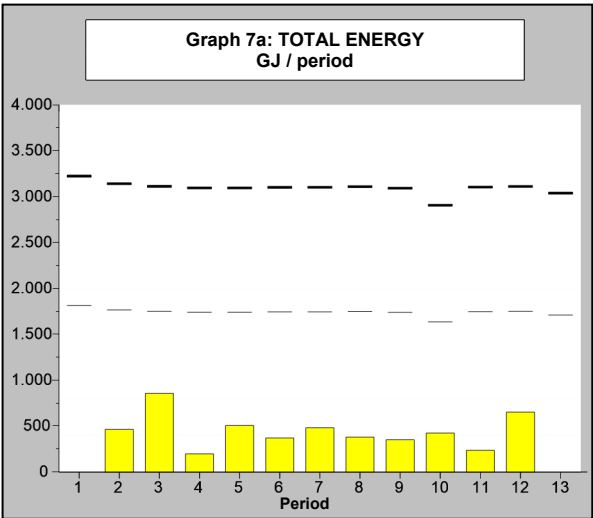
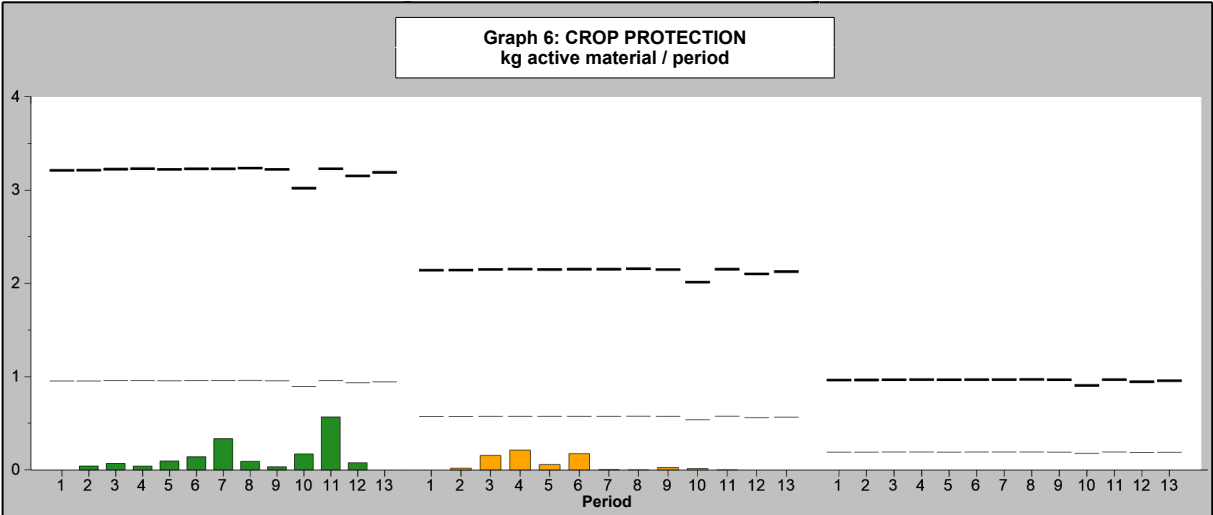


QUALIFICATION AND PERIOD GRAPHS

MPS company number: 910179/01
Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 1-2023 until Period 13-2023
Version: 2-3-2024

<-----> = Upperlimit <.....> = Lowerlimit



MPS-Overview Composition of Qualification

MPS company number: 910179/01

Valid: Period 1-2023 until Period 13-2023

Company name: Gartneriet Svend Erik Nielsen ApS (total)

Version: 2-3-2024

Composition of company standards MPS-OEX (Area Efficiency index)

THEMA		Basic standard		% OEX	Companystandard	
		lower-limit	upper-limit		lower-limit	upper-limit
Crop protection	Green				12,3-41,6 kg	1,7 kg
	Amber				7,4-27,7 kg	0,7 kg
	Red				2,5-12,5 kg	0 kg
Energy		22400-39825 GJ		1 %	22628,6-40231,2 GJ	
Nitrogen (N)		688,4-1586,4 kg		1 %	695,5-1602,7 kg	
Phosphorus (P)		137,7-383,8 kg		1 %	139,1-387,7 kg	

Composition of points MPS environmentally certified parental material

Certified parental material	(Average) area	Your Points	Max points
Total cultivated area 1)	13768,8 m2		
Area certified parental material MPS-ABC	11822,4 m2	8,6	10
Area certified parental material GLOBALGAP	0 m2	0	5
Total points for Certified parental material		8,6	10

1) Total means: the total area covered and uncovered cultivation and the second crop layer. Not included is the uncultivated area.

Overview Environmental zones

Period	1	2	3	4	5	6	7	8	9	10	11	12	13
Environmental	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3	Zone 3

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Alette	●	fosetyl-aluminium	0,061		
Azatin EC	●	azadirachtin	0,031		
BioGlans	○	leaf shine			
BotaniGard WP	○	beauveria bassiana			
Flexity	●	metrafenone		0,015	
Floramite	●	bifenazate	0,019		
Geoxe 50 WG	●	fludioxonil	0,139		
Mainspring	●	cyantraniliprole	0,102		
Milbeknock	●	milbemectin		0,017	
Mospilan SG	●	acetamiprid	0,235		
Movento SC 100	●	spirotetramat	0,136		
NeemAzal T/S	●	azadirachtin	0,051		
Nissorun 250 SC (liquid)	●	hexythiazox	0,122		
Pediment	●	pirimicarb		0,550	
Previcur Energy	●	fosetyl-aluminium	0,233		
	●	propamocarb	0,398		
Redusol	○	shadingmaterial/ coating			
Sluux	●	ferric phosphate	0,075		
Teppeki	●	flonicamid	0,072		
Trium-G	○	trichoderma harzianum			
Trichodex (Trichoderma)	○	trichoderma harzianum			
Turex WP	○	bacillus thuringiensis			
Vertimec	●	abamectin		0,084	

MPS-Overview Composition of Qualification

MPS company number: **910179/01**

Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 1-2023 until Period 13-2023

Version: 2-3-2024

Company usage of MPS-MIND

Pesticide	Indicator color	active ingredient	Annual company use of active substance		
			Green	Amber	Red
Annual company use of active substance			1,672	0,666	0

OVERVIEW RECORDED DATA

MPS company number: **910179/01**
 Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 2-3-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
FORM RECEIVED			yes	yes	yes	yes	yes	yes		
CROP PROTECTION AGENTS										
3176	Aliette	grams				120	40		160	760
990673	Amblyseius / Neoseiulus californicus	number	200000	100000	50000		150000		500000	900000
990395	Amblyseius / Neoseiulus cucumeris	number					1820000		1820000	1820000
992010	Atheta coriaria	number					1000		1000	1000
3847	Azatin EC	ml		150	135	105	210		600	1200
3364	BioGlans	ml					6000		6000	10250
3794	BotaniGard WP	grams					500		500	500
3337	Flexity	ml		25	25				50	50
3279	Floramite	ml								80
3798	Geoxe 50 WG	grams	20	20	20	20	39		119	278
990675	Hypoaspis miles / Stratiolaelaps Scimitus	number		500000			250000		750000	1500000
3865	Mainspring	grams	59						59	254
3289	Milbeknock	ml	180		170				350	1880
3277	Mospilan SG	grams			105	35			140	1173
3315	Movento SC 100	ml	23	23	64	203	488		801	1356
3785	NeemAzal T/S	ml		1050					1050	5140
3821	Nissorun 250 SC (liquid)	ml	108						108	488
3881	Pediment	grams								1100
3321	Previcur Energy	ml			150	600			750	750
3320	Redusol	ml								560000
3328	Sluxx	grams				525			525	2485
990515	Steinernema feltiae	number	5000000000	5000000000	5000000000		5000000000		20000000000	30000000000
3293	Teppeki	grams	59	15	10				84	143
3367	Trium-G	grams					12640		12640	79188
3135	Trichodex (Trichoderma)	grams	4608		14008				18616	18616
3368	Turex WP	grams								70
3251	Vertimec	ml		1008	252	192			1452	4692
WATER										
21	Total irrigation	m3	489	429	411	205	245		1779	4776
23	Reused drainage water	m3	244	214	205	102	122		887	2384
ENERGY										
1	Gas consumption	m3	20670	18764	23949	11502	23025		97910	218112
2	Conversion factor		1	1	1	1	1			

OVERVIEW RECORDED DATA (Continued)

MPS company number: **910179/01**
 Company name: Gartneriet Svend Erik Nielsen ApS (total)

Valid: Period 1-2023 until Period 13-2023
 Version: 2-3-2024

Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
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ENERGY (Continued)

3	Caloric value		1	1	1	1	1			
4	Electricity from the grid (Total)	kWh	19882	19683	19642	25589	72922		157718	387870
6	Green electricity from the grid	kWh	15110	12400	13357	18936	52504		112307	256928
8	Returned electricity	kWh	67605	63308	82064	37385	48704		299066	629226
80	Wood (in kg)	kg				140200	198500		338700	1130000

LIGHTING

550023	HP-Na 600W 400V EVSA	Hour	1	1	1	22	111			
		Number	736	736	736	736	736			
		kWatt								

FERTILIZERS

513	Ammonium nitrate	kg	62,6	47,6	27	35,6	15		187,8	440
545	Calcium nitrate (nitrate o	kg	8,29						8,29	16,57
552	Copper sulphate	kg	0,161	0,125	0,071	0,09	0,036		0,483	1,126
640	Dolomit kalk	kg			34,56				34,56	148,54
376	Ferrous chelate HEEDTA 4 %	litres	10,25	8,25	4,5	5,75	2		30,75	74,25
638	Kalk	kg	94,64		447,532		473,48		1015,652	2474,442
516	Magnesium sulphate	kg	30,8	26,3	16,5	14,3	4,5		92,4	223,1
575	Manganese sulphate	kg	1,76	1,328	0,852	0,908	0,432		5,28	12,308
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg	1,152		5,752		5,61		12,514	31,816
420	NPK 12+6+20	kg	23,04		78,443		75,9		177,383	808,751
413	Phosphoric Acid 75%	litres	33,2	25,2	14,2	19	8		99,6	230,6
537	Potassium nitrate (13+0+45)	kg	214	218	97	117	46		692	1603
414	Salpetersyre 62%	litres	78,1	76,1	74,1	44	22		294,3	716,8
939	Saltpoletter	kg								300
582	Sodium molybdenum	kg	0,043	0,032	0,016	0,027	0,011		0,129	0,295
941	Solubor DF 18	kg	0,239	0,176	0,103	0,136	0,063		0,717	1,65
596	Superphosphate	kg			37,914		36,11		74,024	190,694
604	Zinc sulphate	kg	0,476	0,361	0,21	0,266	0,115		1,428	3,312

ENVIRONMENTAL CLUSTERS

	Indoor crops									
4064	POT PLANTS 4	m2	1450	1460	1460	1460	1460	1460		
4065	POT PLANTS 5	m2	2760	2779	2895	2864	3069	2880		

OVERVIEW RECORDED DATA (Continued)

MPS company number: 910179/01
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Valid: Period 1-2023 until Period 13-2023
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Code	Description	Unit	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Subtotal	Year total
Indoor crops										
4067	POT PLANTS 7	m2	2820	2734	2586	2506	2194	2400		
4068	POT PLANTS 8	m2	6850	6846	6192	6981	6823	6840		
4070	POT PLANTS REMAINDER	m2				6	14	100		
Subtotal			13880	13819	13134	13817	13560	13680		
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	12170	12063	11294	12020	11911	11980		

GENERAL INFORMATION FORM

MPS-Mind

Surface water		
3900	What is the minimum distance of this location to the nearest surface water?	250 - 2500 metres / 820 - 8200 feet
Cover		
3910	Does the surface of protected cultivation exceed 95% of this location?	Yes
Slope		
3902	What is the maximum slope of a plot on this location?	flat
Leaching to groundwater		
3903	Do you grow more than 95% of your crops in a closed (recirculation) system, with less than 3% loss of drainwater?	No
3904	What is the minimum depth of the groundwater on all your plot(s)?	>= 15 metres / >= 49,2 feet
3905	What is the lowest percentage of organic material of your soil on all your plots of this location?	1,5 - 3%

MPS-OEX

Sidescreens:		
3950	Are sidescreens being used during lighting in the night?	Yes
Topscreens:		
3951	Are topscreens being used during lighting in the night?	Yes
3952	If yes, what is the percentage of light-reduction?	85 till 95%
CO2		
3953	Do you apply CO2?	No

OVERVIEW RECORDED DATA (Continued)

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GENERAL INFORMATION FORM

MPS-OEX

Substrate		
3957	Do you cultivate cut flowers on substrate?	No
Diffuse light		
3961	Do you have diffuse glass on your greenhouse?	No
3963	Do you have diffuse foil on your foil-greenhouse?	No
3965	Do you have diffuse screens on your greenhouse?	No
3967	Do you use a diffuse coating on your greenhouse?	No
Waste management		
41	Do you process organic waste in a responsible way?	Yes
42	Do you process paper waste in a responsible way?	Yes
43	Do you process plastic waste in a responsible way?	Yes

OVERVIEW RECORDED DATA

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Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
FORM RECEIVED			yes	yes	yes	yes	yes	yes	yes	

CROP PROTECTION AGENTS

3176 Alette	grams			400				200		600
990673 Amblyseius / Neoseiulus californicus	number		50000	100000	50000	100000	100000			400000
990395 Amblyseius / Neoseiulus cucumeris	number									
992010 Atheta coriaria	number									
3847 Azatin EC	ml				360	240				600
3364 BioGlans	ml			1000	1250			2000		4250
3794 BotaniGard WP	grams									
3337 Flexity	ml									
3279 Floramite	ml						80			80
3798 Geoxe 50 WG	grams		20	20	40	40			40	160
990675 Hypoaspis miles / Stratiolaelaps Scimitus	number			250000	250000			250000		750000
3865 Mainspring	grams						16	60	119	195
3289 Milbeknock	ml		440	280	350			50	410	1530
3277 Mospilan SG	grams		105		35	175	288		430	1033
3315 Movento SC 100	ml		123	23	45	90	229		45	555
3785 NeemAzal T/S	ml			900				840	2350	4090
3821 Nissorun 250 SC (liquid)	ml			63				51	266	380
3881 Pediment	grams			280	420	50	350			1100
3321 Previcur Energy	ml									
3320 Redusol	ml				220000	180000	160000			560000
3328 Sluxx	grams								1960	1960
990515 Steinernema feltiae	number				500000000		500000000			1000000000
3293 Teppeki	grams								59	59
3367 Trium-G	grams			34500	9200	8440	14408			66548
3135 Trichodex (Trichoderma)	grams									
3368 Turex WP	grams			70						70
3251 Vertimec	ml		768	672		1800				3240

WATER

21 Total irrigation	m3		275	462	445	519	633	663		2997
23 Reused drainage water	m3		137	231	222	260	316	331		1497

ENERGY

1 Gas consumption	m3		10141	31930	10128	22440	19610	25953		120202
2 Conversion factor			1	1	1	1	1	1		

OVERVIEW RECORDED DATA (Continued)

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Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
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ENERGY (Continued)

3	Caloric value		1	1	1	1	1	1	
4	Electricity from the grid (Total)	kWh	89489	47510	31971	21209	20046	19927	230152
6	Green electricity from the grid	kWh	56378	34207	14707	13150	12629	13550	144621
8	Returned electricity	kWh	13548	61524	46030	59347	65310	84401	330160
80	Wood (in kg)	kg	214800	166500	233100	100750	76150		791300

LIGHTING

550023	HP-Na 600W 400V EVSA	Hour	142	63	29	1	1	1	1
		Number	736	736	736	736	736	736	
		kWatt							

FERTILIZERS

513	Ammonium nitrate	kg	27	5,6	42	47,6	65	65	252,2
545	Calcium nitrate (nitrate o	kg				8,28			8,28
552	Copper sulphate	kg	0,071	0,018	0,107	0,125	0,161	0,161	0,643
640	Dolomit kalk	kg		34,5		51,84	27,64		113,98
376	Ferrous chelate HEEDTA 4 %	litres	6,5	1,75	6,5	8,25	10,25	10,25	43,5
638	Kalk	kg		322	363,4	139,26	247,53	386,6	1458,79
516	Magnesium sulphate	kg	16,5	5,3	21	26,3	30,8	30,8	130,7
575	Manganese sulphate	kg	0,852	0,044	1,284	1,328	1,76	1,76	7,028
666	Micromax (7.5%CaO+12%Fe+37.5% SO3)	kg		4,29	4,5	2,11	3,602	4,8	19,302
420	NPK 12+6+20	kg		420	60,96	36,44	48,958	65,01	631,368
413	Phosphoric Acid 75%	litres	14,2	3	22,2	25,2	33,2	33,2	131
537	Potassium nitrate (13+0+45)	kg	147	25	143	168	214	214	911
414	Salpetersyre 62%	litres	54,1	20	56,1	96,1	98,1	98,1	422,5
939	Saltpoletter	kg		300					300
582	Sodium molybdenum	kg	0,016	0,005	0,027	0,032	0,043	0,043	0,166
941	Solubor DF 18	kg	0,103	0,01	0,166	0,176	0,239	0,239	0,933
596	Superphosphate	kg		26,89	29,2	6,72	22,76	31,1	116,67
604	Zinc sulphate	kg	0,21	0,036	0,325	0,361	0,476	0,476	1,884

ENVIRONMENTAL CLUSTERS

	Indoor crops								
4064	POT PLANTS 4	m2	1100	1119	1159	1331	1360	1401	1432
4065	POT PLANTS 5	m2	3110	3110	3071	2916	2906	2842	2822

OVERVIEW RECORDED DATA (Continued)

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Valid: Period 1-2023 until Period 13-2023
Version: 2-3-2024

Code	Description	Unit	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Subtotal
Indoor crops										
4067	POT PLANTS 7	m2	2744	2761	2721	2754	2823	2826	2820	
4068	POT PLANTS 8	m2	6890	6871	6928	6879	6791	6811	6806	
4070	POT PLANTS REMAINDER	m2								
Subtotal			13844	13861	13879	13880	13880	13880	13880	
Certified parental material										
661	MPS-ABC certif.parental mat. indoor	m2	10730	11675	11749	11750	11939	12194	12217	